

METHOD FOR THE PRODUCTION OF PLANT CUTTING FILAMENTS
AND PLANT CUTTING FILAMENTS

ABSTRACT OF THE DISCLOSURE

The invention relates to a method for the production of a cutting filament for a device used to cut vegetation such as a trimmer or border cutter. The filament is made of a synthetic material having extended molecular chains. According to the invention, (a) the filament is brought to a controlled viscous state, (b) the filament is stretched according to the length thereof in order to perform a first longitudinal molecular orientation, (c) a cross-sectional change, resulting in a partial reorientation of molecular chains in a transversal direction, is imposed upon the filament, whereupon filaments having multiple molecular orientations are produced, having improved mechanical properties (e.g. a better resistance to tearing).